

## **Patent Claims**

1. A process for the transmission of process data over a relatively long distance, characterized in that the process data are transmitted by means of a transmitter and a receiver in a wireless manner.
2. The process according to claim 1, wherein the process data come from a dental apparatus, which is preferably a firing kiln.
3. The process according to claim 1, wherein the process data involve at least two parameters, which describe the status of the process at a given point in time.
4. The process according to claim 1, further characterized in that the process data are fed either directly or via a data switch (2) to the transmitter.
5. A system of carrying out the process for the transmission of process data according to one of the preceding claims, characterized in that it comprises the following components:
  - (a) a transmitter, which can transmit the process data of up to 6 apparatuses in a sequential manner as well as
  - (b) one or more portable receivers.

6. The system according to claim 10, further characterized in that it also includes:
  - (c) a dental apparatus that is suitable for acting together with the transmitter in order to transmit process data to a receiver in a wireless manner.